

Faculty Achievements (2017-23)

Dr. Rama Pasricha, Professor, Department of Botany, Daulat Ram College

- **Administrative Assignments -Served as Resource Person/Coordinator/member of Organising Committee for the following event:**

Name of Institute	Designation	Time period
Daulat Ram College	TIC, Department of Botany	2017-18, 2022-23
Daulat Ram College	Staff Advisor Botanical Society	2017-18
Daulat Ram College	Member TPC	2018-19
Daulat Ram College	Member Discipline committee	2018-19
Daulat Ram College	Member Prize Committee	2018-19
Daulat Ram College	Member Admission Committee	2018-19
University of Delhi	Senior Member, Committee of Courses, Department of Botany, University of Delhi	2021-22, 2022-23 2023-24
Daulat Ram College	Member, UGC Building Committee	2020-21, 2021-22 2022-23, 2023-24
Daulat Ram College	Convenor Development and Maintenance Committee	2020-21, 2021-22 2022-23, 2023-24
Daulat Ram College	Member Selection Committee for Appointment of Asstt. Professors against Permanent Positions	2022-23
Daulat Ram College	Staff Advisor Life Science Association	2019-20
Daulat Ram College	Deputy Superintendent of Examination	Nov-Dec 2019
Daulat Ram College	Deputy Superintendent of Examination (Category A) for conducting mock and final OBE examination	July- August 2020
Daulat Ram College	Member Garden Committee	2018-19, 2019-20 2020-21, 2021-22 2022-23
Daulat Ram College	Member Screening committee for Assistant Professor selection	2021-22
Daulat Ram College	Member Swachhta Committee	2021-22

Details of refresher/orientation course/research methodology/workshop/syllabus up-gradation/ teaching –learning-evaluation/technology programmes/Faculty Development Programme

Details	Place	Period		Sponsoring/Organising Agency
		From	To	
E FDP on Empowering Teaching Learning Process using Google classroom and other ICT Tools: A comprehensive practical Approach	Daulat Ram College, New Delhi	July 21, 2020	July 23, 2020	IQAC Daulat Ram College
FDP; Enhancement of Teacher Skills for Disaster Risk Reduction (Grade A) Completed with Grade A	Guru Angad Dev Teaching Learning Centre, GTB Khalsa College	Oct. 16, 2020	Oct. 22, 2020	Pt. Madan Mohan Malviya Mission on Teachers and Teaching (MHRD) and International Women's Club, Aditi Mahavidyalaya, University of Delhi
National Seminar (webinar) on Environment and Urban Ecosystem: From Individual to Ecological	Vivekananda College, University of Delhi	Sept. 30, 2020	Sept. 30, 2020	Vivekananda College, University of Delhi
International Conference on Effective Strategies for Biodiversity Conservation	Department of Botany, DRC, Univ. of Delhi	March 23, 2021	March 24, 2021	Department of Botany, DR College, University of Delhi
Lecture Series – 1 - 4 Redefining Gardening From Hobby to Enterprise	Department of Botany, DRC, Univ. of Delhi	Oct. 21, 2020	Nov. 24, 2020	Garden Committee, Daulat Ram College, University of Delhi
National Gene Bank – Conserving Biodiversity for Food Security	Department of Botany, DRC, Univ of Delhi	June 14, 2021	June 14, 2021	Botanical Society, Daulat Ram College, University of Delhi
Vasundhara Orchids 2021 Annual Festival	Daulat Ram College, University of Delhi	Feb 24, 2021	Feb 26, 2021	Botanical Society, Daulat Ram College, University of Delhi
Future Prospects and Career Options in Data Science	Daulat Ram College, University of Delhi	Jan 29, 2021	Jan 29, 2021	Botanical Society, Daulat Ram College, University of Delhi
Our Nature and Wildlife Heritage: Past, Present and Future	Daulat Ram College, University of Delhi	Aug. 26, 2020	Aug. 26, 2020	Botanical Society, Daulat Ram College, University of Delhi

- Member of the organizing committee International Conference on Effective Strategies for Biodiversity Conservation. March 23 - 24, 2021 Department of Botany, DR College, University of Delhi
- Member of the organizing committee National Gene Bank – Conserving Biodiversity for Food Security June 14, 2021. Botanical Society, Department of Botany, Daulat Ram College, University of Delhi
- Member of the organizing committee Vasundhara Orchids 2021 Botanical Society Annual Festival Daulat Ram College, University of Delhi Feb 24-26, 2021
- Member of the organizing committee Future Prospects and Career Options in Data Science Daulat Ram College, University of Delhi Jan 29, 2021
- Member of the organizing committee Workshop on Learning reproductive biology with fluorescence microscopy organised by Department of Botany, Daulat Ram College, University of Delhi, Delhi on 25th August 2021.
- Member of Organizing Committee in Workshop “Basic Techniques for Home Gardening – Series – I” organized by Garden Committee, Daulat Ram College, University of Delhi on 14th and 15th September, 2022.
- Member of Organizing Committee of Workshop on “Capacity Building Workshop Series 1- Mushroom Cultivation organized by Astitva, Life Science association, Daulat Ram College, University of Delhi on 28th September 2022.
- Member of Organizing Committee of Workshop on “Capacity Building Workshop Series II- Intellectual Property Rights organized by Astitva, Life Science association, Daulat Ram College, University of Delhi on 17th January 2023.
- Member of Organizing Committee of Workshop on “Learning gardening techniques: A step towards entrepreneurship–Series II- Developing a Herbal Garden: Nature to Nurture with Ayurveda” organized by Garden Committee, Daulat Ram College, University of Delhi on 10th February, 2023.
- Member of Organizing Committee of Workshop on “Learning gardening techniques: A step towards entrepreneurship– Series III- Bonsai and Penjing” organized by Garden Committee, Daulat Ram College, University of Delhi on 12th April, 2023.
- Member of Organizing Committee of An International Seminar on “Microplastics and its remediation” Department of Botany, Daulat Ram College, University of Delhi on 14th June 2023.
- Member of Organizing Committee Lecture Series
 - a. Underground Revolution Rooting for Food Security
 - b. Basics of Writing a Research Papers

Published/Co-published the following papers:

1. Water Chestnut peel Facilitated biogenic synthesis of Zinc Oxide nanoparticles and their Catalytic Efficacy in the Ring opening reaction of Styrene Oxide; *Chemistry Select*, 2021/06, 8315-8322, ISSN - 2365-6549 (Joint authorship) – UGC Care 6793-21100850505
2. Feeding 10 billion in the Age of Climate Change - A challenge and an opportunity for Botanists, *Lianas 2023 (single author)*; ISBN - 978-93-92603-05-1
3. Co-author in Paper presentation titled, “Prevalence of pharmaceuticals in wastewater post-covid-19” by Asmita Gupta, Madan Kumar, and Rama Pasricha in 4th World Environment Summit, 2023, held from 4th to 6th November, 2023, at Galgotias University, Greater Noida, Uttar Pradesh, India.
4. Gupta A., Swati, Kumar M., Pasricha R. (2024). Recent Advancements In The

Toxicological Assessment And Bacterial -Mediated Biodegradation Pathways Of Paracetamol. Futuristic Trends in Biotechnology. IIP Series, Volume 3, Book, Part ,Chapter. Iterative International Publishers (IIP) Edited Book Series. ISBN Volume 3, 2023; Book 1 ISBN E 978-93-6252-067-8 ISBN P 978-93-6252-983-1

5. Alien Invasive Species, Biodiversity Loss and Climate Change: A Viral Trinity of Disaster in the Making – Lead article in Liana 2024; ISBN , Single author
6. Invasive Alien Species in India and their Impact - *Dr Rama Pasricha**, *Dr. Rekha Kathal***, *Dr. Asmita Gupta* – Liana 2024
7. Plant Pathology Challenges in the age of Climate Change - *Dr. Rama Pasricha*, *Dr. Asmita Gupta*; *ESDA 2024*
- 8.

RESEARCH AND ACADEMIC CONTRIBUTIONS

Published Research Papers in Referred/Peer-Reviewed or UGC listed/Scopus Journals

S. No.	Title of the Paper	Journal Name	Year	Vol No.	Page No.	ISSN No.	Impact Factor	SCOP US Index	Author ship	Reference UGC CARE
1	Role of PGPRs in Augmenting Soil Macronutrients	Journal of Agroecology and Natural Resource Management	2017	5(4)	409-411	2394 - 0786	3.628	-	Single Author	Peer
2	Climate Change Triggered Abiotic Stress Mitigation in Crops through Plant Growth Promoting Microbes	Journal of Agricultural Engineering And Food Technology	2017	4(4)	206-208	2350 - 0263	5.152	Peer	Single Author	Peer
3	Fungi as active Bio-Decomposers for their potential use in degradation of Agri Waste	International Journal of Basic and Applied Biology	2017	4(5)	250-253	2349 - 2539	4.633	Peer	Single Author	Peer
4	Impact of Atmospheric CO ₂ Concentration and Temperature Increase on Crop Production	Journal of Energy Research and Environmental Technology	2017	4(4)	262-265	2394 - 1561	4.566	Peer	Single	Peer
5	Water Chestnut peel Facilitated biogenic synthesis of Zinc Oxide nanoparticles and their Catalytic Efficacy in the Ring opening reaction of Styrene Oxide	Chemistry Select	2021	06	8315-8322	ISSN - 2365 - 6549	2.1	UGC	Joint	UGC Care 6793-21100850505

Chapter in Edited Books

S.No	Title of Edited Book	Title of Chapter	Authorship*	Publisher (with city/ country) & Year of Publication	ISBN
1	Proceedings Symposium on Environment & Sustainable Development: New Perspective	Extreme Weather Events and Species Loss	First	Books & Books Unlimited New Delhi, 2019	97881937-46622
2	Lianas 2023	Feeding 10 billion in the Age of Climate Change - A challenge and an opportunity for Botanists,	single author		ISBN - 978-93-92603-05-1

Books Edited as one of two Editor

S.No.	Title of the Book	Editorship *	Level of Publisher (National / International)	Publisher (with city/ country) & Year of Publication	ISBN	Whether Refereed
1	Proceedings of Symposium on Environment and Sustainable Development: New Perspective	Editor	National	Books & Books Unlimited, New Delhi	97881937-46622	Refereed

Paper presentation in Seminars/ Conferences Conference Proceedings

S No.	Title of Seminar/ Lecture/Paper/ Event	Nature of Programme*	year of presentation event	Sponsoring Agency
2	Right to Safe Food- Present Law and Future Directions	Skill Development Program for students in Food Adulteration	July 3-14 2017	DRC
3	Convenor, FDP on Industrial and Environmental Microbiology	FDP on Industrial and Environmental Microbiology	19 th -20 th March 2018	DBT Star College Project
4	Air Pollution Tolerant Index (APTI) Assessment in Plants	Botanical Society Magazine LIANA- 2017 -18	2017-18	Daulat Ram College

Awards and Distinctions

National Education Excellence Award on National Education Day 2021	Teaching and Research Accomplishment	IMRF Institute of Higher Education & Research, - Niti Aayog & GOI Regd	National	Nov. 2021
ESDA Eminent Scientist Award 2024	Teaching and Research Accomplishments	5th World Environment Summit 2024 , Environment and Social Development Association (ESDA), New Delhi	National	Nov. 2024

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3	Air Pollution Tolerant Index (APTI) Assessment in Plants	Botanical Society Magazine LIANA- 2017 -18	2017-18	Daulat Ram College

S.No.	Year	Place	Period		Sponsoring/Organising Agency
			From	To	
1	Convenor, FDP on Industrial and Environmental Microbiology	Daulat Ram College	March 19 2018	March 20, 2018	Deptt. Of Botany, Daulat Ram College, University of Delhi
2	Organising Committee Member, Inter-College, North East Cultural Extravaganza – Know the North East	Daulat Ram College	Jan. 27, 2017	Jan. 27, 2017	Ministry of Development of the North East Region & Daulat Ram College